

Title (en)
METHOD OF MAKING ONE OR MORE FIBRILS, COMPUTER IMPLEMENTED METHOD OF SIMULATING AN ADHESIVE FORCE OF ONE OR MORE FIBRILS AND FIBRIL

Title (de)
VERFAHREN ZUR HERSTELLUNG EINER ODER MEHRERER FIBRILLEN, COMPUTERIMPLEMENTIERTES VERFAHREN ZUR SIMULATION EINER ADHÄSIONSKRAFT VON EINER ODER MEHREREN FIBRILLEN UND FIBRILLEN

Title (fr)
PROCÉDÉ DE FABRICATION D'UNE OU DE PLUSIEURS FIBRILLES, PROCÉDÉ MIS EN OEUVRE PAR ORDINATEUR DE SIMULATION DE FORCE ADHÉSIVE D'UNE OU DE PLUSIEURS FIBRILLES ET FIBRILLES

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Abstract (en)
[origin: EP4057178A1] The present invention relates to a method of making one or more fibrils, the method comprising the steps of providing a material of manufacture of the fibrils; providing a random initial shape of the fibrils; calculating an adhesive force of the fibrils based on the material of manufacture of the fibrils and on the initial shape of the fibrils; adapting the random initial shape of the fibrils to maximize the adhesive force of the fibrils to form resultant shapes of the fibrils; selecting the resultant shape of the fibrils having the highest adhesive force of the fibrils; and producing having the selected resultant shape having the highest adhesive force of the fibrils. The invention further relates to a computer implemented method of simulating an adhesive force of one or more fibrils and to a fibril.

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